



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, S.E.
Charleston, WV 25304
(304) 926-0450
fax: (304) 926-0452

Harold D. Ward, Cabinet Secretary
www.dep.wv.gov

Thursday, July 16, 2026
WELL WORK PLUGGING PERMIT
Vertical Plugging

DIVERSIFIED PRODUCTION LLC
101 MCQUISTON DRIVE

JACKSON CENTER, PA 16133

Re: Permit approval for A HUNTINGTON 46
47-039-00136-00-00

This well work permit is evidence of permission granted to perform the specified well work at the location described on the attached pages and located on the attached plat, subject to the provisions of Chapter 22 of the West Virginia Code of 1931, as amended, and all rules and regulations promulgated thereunder, and to any additional specific conditions and provisions outlined in the pages attached hereto. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations, and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing. Spills or emergency discharges must be promptly reported by the operator to 1-800-642-3074 and to the Oil and Gas Inspector.

Upon completion of the plugging well work, the above named operator will reclaim the site according to the provisions of WV Code 22-6-30. Please be advised that form WR-38, Affidavit of Plugging and Filling Well, is to be submitted to this office within 90 days of completion of permitted well work, as should form WR-34 Discharge Monitoring Report within 30 days of discharge of pits, if applicable. Failure to abide by all statutory and regulatory provisions governing all duties and operations hereunder may result in suspension or revocation of this permit and, in addition, may result in civil and/or criminal penalties being imposed upon the operators.

Per 35 CSR 4-5.2.g this permit will expire in two (2) years from the issue date unless permitted well work is commenced. If there are any questions, please feel free to contact me at (304) 926- 0450.

H. Jason Harmon
Chief

Operator's Well Number:
Farm Name: MARINERS MUSEUM
U.S. WELL NUMBER: 47-039-00136-00-00
Vertical Plugging
Date Issued: 7/16/2026

PERMIT CONDITIONS

West Virginia Code §22-6-11 allows the Office of Oil and Gas to place specific conditions upon this permit. Permit conditions have the same effect as law. Failure to adhere to the specified permit conditions may result in enforcement action.

CONDITIONS

1. All pits must be lined with a minimum of 20 mil thickness synthetic liner.
2. In the event of an accident or explosion causing loss of life or serious personal injury in or about the well or while working on the well, the well operator or its contractor shall give notice, stating the particulars of the accident or explosion, to the oil and gas inspector and the Chief within twenty-four (24) hours.
3. Well work activities shall not constitute a hazard to the safety of persons.
4. Notification shall be given by the operator to the Oil and Gas Inspector at least 24 hours prior to the construction of roads, locations and/or pits for any permitted work. In addition, the well operator shall notify the same inspector 24 hours before any actual well work is commenced and prior to running and cementing casing.
5. No sooner than sixty (60) days and no greater than ninety (90) days after the completion of the plugging of the well, the operator shall conduct an evaluation of the plugging operations to verify that the well is not leaking any fluid or gases and is properly sealed at the surface to prevent fluids or other materials from entering the well. Reports of such analysis are required to be provided to the agency with the permittee's filing of the WR-38. Wells affirmed to be leaking after plugging operations have completed, will be considered to not be properly plugged and may be required to be retested, repaired, and/or replugged.

Plugging Prognosis – New Regulations

API #: 47-039-00136

West Virginia, Kanawha County

Lat/Long – 38.241964, -81.301011

Nearest ER: Montgomery General Hospital: Emergency Room – 401 6th Ave, Montgomery, WV 25136

Casing Schedule

13" @40' – On Shoe

10" @ 531' – On Shoe

8-1/4" @ 1410' – Pulled

6-5/8" @ 1956' – On Shoe

4-1/2", 10.5 ppf @ 2303' – Cemented w/ 65 sks Class A – ETOC @ 1560' in 6-1/4" hole

1-1/2" @ 226.40' – No Cementing and/or Packer Information

TD @ 2308' – Was drilled deeper from original TD of 2105'

Completion: Big Lime – 2065'-2088' – 10 Perfs – Pumped 100,000 scf N2, 5 bbls 28% HCL, Pump 19 bbls 28% HCL & 48 bbls 15% HCL w/ 350 scf/bbl N2, 140,000 total scf N2
Weir – 2208'-2232' – 11 Perfs – 75Q Foam, 247 bbl, 159.88 sks sand, 510,000 scf N2

Fresh Water: 45'

Salt Water: 1018', 1195', 1360', 1800'

Gas Shows: 2065', 2078'-2083'

Oil Shows: None Reported

Coal: 355'-358', 528'-529'

Open Mine: None Reported

Elevation: 1051'

1. Notify Inspector Terry Urban @304-549-5915, 48 hrs prior to commencing operations.
2. MIRU service rig and ancillary equipment.
3. Check and record pressures on csg/tbg. Blow down and kill well as necessary with fluid.
4. Check TD w/ sandline/tbg.
5. TOOH w/ any rods and/or tbg in well.
6. Pump 6% Bentonite gel between each plug.
7. TIH w/ tbg to 2298'. Kill well as needed with 6% bentonite gel and fill rat hole with gel. Pump at least 10 bbls gel.
8. TOOH w/ tbg to 2186'. Pump 506' Class L/Class A cement plug from **2186' to 1680' (Completion Plug – Big Lime & Weir, Gas Shows, & Saltwater Plug)**. Approximately 39 sks @ 1.18 yield in 4-1/2" csg. Tag TOC. Top off as needed. Do not omit any plugs listed below. **Perforate as needed (2186', 1680')**.
9. Free point 4-1/2" csg. Cut/rip 4-1/2" csg just above free point and TOOH.
10. TOOH w/ tbg to 864'. Pump 100' Class L/Class A cement plug from **864' to 764' (Saltwater Plug)**. Approximately 30 sks @ 1.18 yield in 8" hole. Tag TOC. Top off as needed. Do not omit any plugs listed below. **Perforate as needed (864', 764')**.
11. TOOH w/ tbg to 569'. Pump 234' Class L/Class A cement plug from **569' to 335' (Largest Csg Shoe & Coal Plug)**. Approximately 163 sks @ 1.18 yield in 12-1/4" csg. Tag TOC. Top off as needed. Do not omit any plugs listed below. **Perforate as needed (569', 525', 335')**.

7/16/2026 
07/17/2026

12. TOOH w/ tbg to 100'. Pump 100' Class L/Class A cement plug from **100' to Surface (Surface & Freshwater Plug)**. Approximately 70 sks @ 1.18 yield in 12-1/4" csg. Tag TOC. Top off as needed. Do not omit any plugs listed below. **Perforate as needed (100')**.
13. Reclaim location and well road to WVDEP specifications and erect P&A well monument.

Squeeze FW zones
JQ

GODFREY L. CABOT, INC.
WELL RECORD

SERIAL NO. 799 LEASE NO. 46 OPERATING DIST. AUK

MAP SQUARE 30-49

RECORD OF WELL No. 46 on the
Huntington Farm of Acres
in Cabin Creek District
Kanawha County
Field, State of W. Va.

CASING AND TUBING

SIZE	USED IN DRILLING	LEFT IN WELL	of Water in _____ inch
16			10ths _____ of Merc. in _____ inch
13 3/8	40'	40'	10ths Volume 3,214, M. Cu. ft.
10 5/8	531'	531'	SHOOTING RECORD
8 1/4	1410'		Date Shot _____
6 5/8	1956'	1956'	No. of Quarts _____
			OPEN FLOW AFTER TUBING
			of Water in _____ inch
			10ths _____ of Merc. in _____ inch
			10ths Volume 684,480 Cu. ft.
			TUBED & SHUT IN
			Date Sept. 13, 1934
			Rock Pressure 310 Lbs. 24 Hrs.
			Size of Packer Spang Anchor
			24 HR. PRODUCTION TEST AFTER TUBING
			Kind of Packer 2" x 6-5/8" M. Cu. Ft. Line Pres.
			Drillers' Names Wm. Ashby
			Packer Set, Depth 2012'
			C. W. Poulton
			Size of Anchor 88' of 2"
			S. T. Lee
			Perf.—Top 2085 Bot. 2105'
			Oil Pumped _____ Bbls. 1st 24 hrs.
			Perf.—Top _____ Bot. _____
			Well Abandoned and _____
			2" Tubing Cage 2085' Plugged _____
Elevation 1019.4			

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASUREMENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW S. L.	REMARKS
Gravel	yellow	0	40						
Sand	white	40	128			water	45'		Hole full. Fresh
Plate & Shells	black	128	160						
Sand	white	160	192						
Plate & Shells	"	192	270						
Sand		270	310						
Plate & Shells		310	336						
Sand		336	355						
Coal		355	358	358					
Plate & Shells		358	400						
Sand		400	430						
Plate & Shells		430	457						
Lime		457	490						
Sand		490	528						
Coal		528	529	529					
Lime		529	540						
Sand		540	550						
Plate & Shells		550	624						
Lime		624	635						
Sand		635	670						
Plate & Shells		670	771						
Sand		771	860						
Plate		860	862						
Lime		862	884						
Trampus		884	1030			water	1018'		1 bailer per hr. Salt water
Plate		1030	1032						
1st. Salt Sand		1032	1073						
Plate		1073	1075						
2nd. Salt Sand		1075	1102						
Plate		1102	1104						
3rd. Salt Sand		1104	1289			water	1195		Hole full. Salt wat
Plate		1289	1292						
4th. Salt Sand		1292	1363			water	1360		Hole full. Salt wat
Lime		1363	1375						
Bed Rock		1375	1385						
5th. Slate		1385	1405						
Lime		1405	1420						

SERIAL NO. 799 TRACT H.B. & T. Co. WELL NO. 46 OPTG. DIST. AUK

MAP SQUARE 30-49

700

07/17/2026

FORMATION	COLOR	TOP	BOTTOM	STEEL LINE MEASURE- MENTS	HARD OR SOFT	OIL, GAS OR WATER	DEPTH FOUND	DISTANCE ABOVE OR BELOW S. L.	REMARKS
Slate		1420	1428	1410					
Lime		1428	1435						
Bed Rock & Slate		1435	1450						
and & Lime		1450	1585						
Bed Rock		1585	1595						
Lime		1595	1603						
Slate		1603	1610						
Lime		1610	1633						
Bed Rock		1633	1694						
Lime		1694	1711						
Slate & Shells		1711	1764						
Bed Rock		1764	1769						
Lime		1769	1785						
Saxon Sand		1785	1849			Water 1800'			Hole full. Salt water
Little Lime		1849	1880						
Slate		1880	1881						
Lime		1881	1889						
Slate		1889	1898						
Lime		1898	1914						
Lime		1914	1920						
Slate		1920	1924						
Lime		1924	1936						
Pencil	gray	1936	1940		soft	Gas	2065'		Showing
Big Lime	"	1940		1956 2105	hard	"	2078-2083		3/10 Mer. in 6-5/8

Minute Pick-up Pressure

Min.	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Lbs.	110	150	170	178	180	181	182	183	184	185	186	188	189	190	190

TRANSFERS

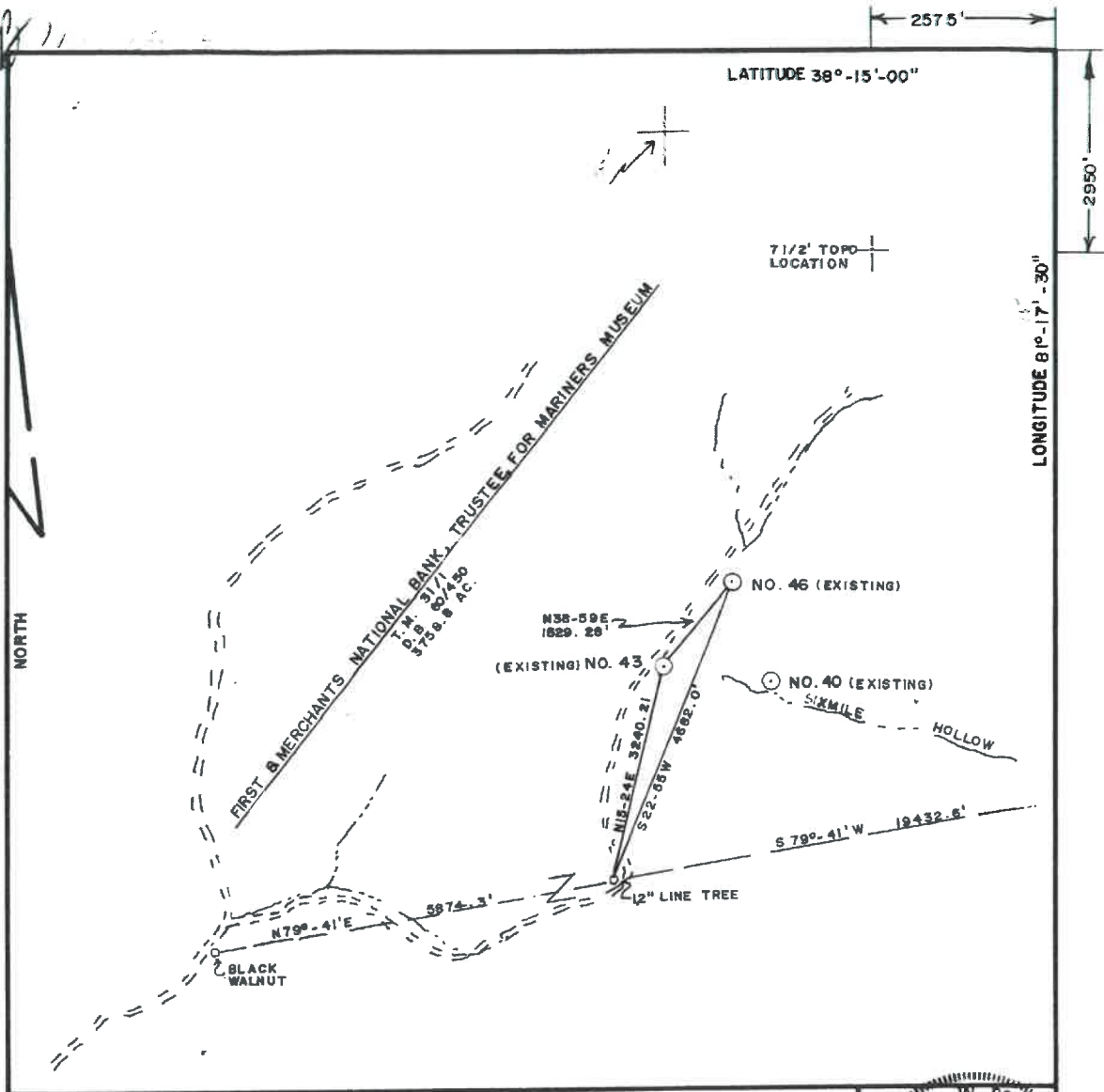
No.	Date
13	7/24/34
20	8/31/34
5	9/15/34
6	9/15/34
10	9/15/34

TOTAL DEPTH 2105' 2105'

DATE Sept. 15, 1934

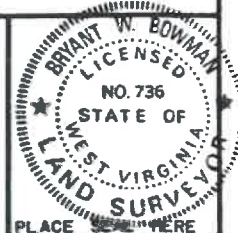
APPROVED E. S. Rutledge FOREMAN

07/17/2026



FILE NO. _____
 DRAWING NO. _____
 SCALE 1" = 2000'
 MINIMUM DEGREE OF ACCURACY 1" IN 5000'
 PROVEN SOURCE OF ELEVATION INTERSECTION OF ROAD 833 SW. OF LOCATION

I THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DEPARTMENT OF MINES.
 (SIGNED) Bryant W. Bowman
 R.P.E. _____ L.L.S. 736



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS
 FORM IV-6
 (8-78)



Department of Mines
 Oil & Gas Division

DATE JUNE 13, 1984
 OPERATOR'S WELL NO. ARABELLA
 API WELL NO. HUNTINGTON 46
 47-039-0136-22
 STATE COUNTY PERMIT

WELL TYPE: OIL _____ GAS X LIQUID INJECTION _____ WASTE DISPOSAL _____
 (IF "GAS", PRODUCTION _____ STORAGE _____ DEEP _____ SHALLOW X)
 LOCATION: ELEVATION 1042' WATER SHED HUGHES CREEK
 DISTRICT CABIN CREEK COUNTY KANAWHA
 QUADRANGLE MONTGOMERY (7 1/2')
 SURFACE OWNER FIRST MERCHANTS NATIONAL BANK, TRUSTEE FOR MARINERS MUSEUM ACREAGE 3758.8
 OIL & GAS ROYALTY OWNER SAME AS SURFACE LEASE ACREAGE 2258.8
 LEASE NO. 47-0644
 PROPOSED WORK: DRILL _____ CONVERT _____ DRILL DEEPER X REDRILL _____ FRACTURE OR STIMULATE _____ PLUG OFF OLD FORMATION _____ PERFORATE NEW FORMATION _____ OTHER PHYSICAL CHANGE IN WELL (SPECIFY) _____
 PLUG AND ABANDON _____ CLEAN OUT AND RERIG _____
 TARGET FORMATION WEIR ESTIMATED DEPTH 2330'
 WELL OPERATOR CABOT OIL & GAS CORP. OF W.V. DESIGNATED AGENT JIM CRAMBLETT
 ADDRESS P.O. BOX 628 ADDRESS P.O. BOX 628
 CHARLESTON, W. Va. CHARLESTON, W. Va.

RECEIVED
JUL 21 1984



1) Date: June 29, 19 84
2) Operator's Well No. A. Huntington #46
3) API Well No. 47 - 039 - 0136-DD
State County Permit

STATE OF WEST VIRGINIA
OIL & GAS DIVISION
DEPT. OF MINES
APPLICATION FOR A WELL WORK PERMIT

- 4) WELL TYPE: A Oil / Gas ☒ /
B (If "Gas", Production / Underground storage / Deep / Shallow ☒)
5) LOCATION: Elevation: 1042' Watershed: Hughes Creek (K66)
District: Cabin Creek 2 County: Kanawha Quadrangle: Montgomery 7 1/2 480
6) WELL OPERATOR Cabot Oil & Gas Corp. of WV 7) DESIGNATED AGENT Robert E. Horrell
Address P.O. Box 628 8150 Address P.O. Box 628
Charleston, WV 25322 Charleston, WV 25322
8) OIL & GAS INSPECTOR TO BE NOTIFIED 9) DRILLING CONTRACTOR:
Name Rodney G. Dillon Name UNKNOWN
Address P.O. Box 7 Address
Williamstown, WV 26187 375-3747
10) PROPOSED WELL WORK: Drill / Drill deeper ☒ / Redrill / Stimulate ☒ /
Plug off old formation / Perforate new formation ☒ /
Other physical change in well (specify) Drill deeper from Big Lime to Weir
11) GEOLOGICAL TARGET FORMATION, Big Lime & Weir
12) Estimated depth of completed well, 2330 feet
13) Approximate strata depths: Fresh, 45 feet; salt, 1018, 1195, 1360 feet.
14) Approximate coal seam depths: 355, 528' Is coal being mined in the area? Yes / No
15) CASING AND TUBING PROGRAM WORKOVER

CASING OR TUBING TYPE	SPECIFICATIONS					FOOTAGE INTERVALS		CEMENT FILL-UP OR SACKS (Cubic feet)	PACKERS	
	Size	Grade	Weight per ft.	New	Used	For drilling	Left in well		To be pulled	
Conductor	13					EXISTING	40'	ON SHOE	Kinds	Spang Anchor
Fresh water	10					EXISTING	531'	ON SHOE		
Coal	8					1410'	PULLED		Sizes	2" x 6-5/8"
Intermediate	7					1410' 1956'	1956'	ON SHOE	Depths set	2012'
Production										
Tubing	2					1410' 2121'	2121'	TO BE PULLED	Perforations:	
Liners									Top	Bottom
	4-1/2		10.5	X		PROPOSED	2300'	60 sks.		
	1-1/2		2.75	X		PROPOSED	2275'			

OFFICE USE ONLY
DRILLING PERMIT

Permit number 47-039-0136-DD

July 24, 19 84
Date

This permit covering the well operator and well location shown below is evidence of permission granted to drill in accordance with the pertinent legal requirements subject to the conditions contained herein and on the reverse hereof. Notification must be given to the District Oil and Gas Inspector. (Refer to No. 8) Prior to the construction of roads, locations and pits for any permitted work. In addition, the well operator or his contractor shall notify the proper district oil and gas inspector 24 hours before actual permitted work has commenced.)

The permitted work is as described in the Notice and Application, plat, and reclamation plan, subject to any modifications and conditions specified on the reverse hereof.

Permit expires July 24, 1986 unless well work is commenced prior to that date and prosecuted with due diligence.

Bond: 30 BLANKET	Agent: ☒	Plat: ☒	Casing: ☒	Fee: 013325
---------------------	--	---	---	-------------

Margaret J. Ham
Administrator, Office of Oil and Gas

NOTE: Keep one copy of this permit posted at the drilling location.

See the reverse side of the APPLICANT'S COPY for instructions to the well operator.

File

07/17/2026

17-35
(Rev 8-81)

RECEIVED
OCT 9 1984
OIL & GAS DIVISION
DEPT. OF MINES



State of West Virginia

Department of Mines
Oil and Gas Division

Date October 3, 1984
Operator's
Well No. #46
Farm A. Huntington
API No. 47 - 039 - 013600

WELL OPERATOR'S REPORT
OF
DRILLING, FRACTURING AND/OR STIMULATING, OR PHYSICAL CHANGE

WELL TYPE: Oil / Gas XX / Liquid Injection / Waste Disposal
(If "Gas," Production XX / Underground Storage / Deep / Shallow XX /)

LOCATION: Elevation: 1042' Watershed Hughes Creek
District: Cabin Creek County Kanawha Quadrangle Montgomery 7-1/2

COMPANY Cabot Oil & Gas Corporation of WV
ADDRESS P. O. Box 628, Charleston, WV 25322
DESIGNATED AGENT Robert E. Horrell
ADDRESS P. O. Box 628, Charleston, WV 25322
SURFACE OWNER First & Merchants National Bank
Trustees for Mariners Museum
2600 Washington Avenue
ADDRESS Newport News, Virginia 23607
MINERAL RIGHTS OWNER First & Merchants Nat'l Bank
Trustees for Mariners Museum
2600 Washington Avenue
ADDRESS Newport News, VA 23607
OIL AND GAS INSPECTOR FOR THIS WORK Rodney
G. Dillon ADDRESS Box 7, Williamstown, WV 26187

PERMIT ISSUED 7/24/84
WORKOVER
DRILLING COMMENCED 8/7/84
WORKOVER
DRILLING COMPLETED 8/22/84

IF APPLICABLE: PLUGGING OF DRY HOLE ON
CONTINUOUS PROGRESSION FROM DRILLING OR
REWORKING. VERBAL PERMISSION OBTAINED
ON

Casing & Tubing	Used in Drilling	Left in Well	Cement fill up Cu. ft.
Size			
20-16			
Cord.			
13-10"			
9 5/8			
8 5/8			
7			
5 1/2			
4 1/2	2303	2303	65 sks.
2"	Pulled	2000'	
1-1/2	2226.40	2226.40	
Liners used			

GEOLOGICAL TARGET FORMATION Big Lime Depth 2105-2137
Weir 2206-2293 feet
Depth of completed well 2308 feet Rotary XX / Cable Tools
Water strata depth: Fresh 45 feet; Salt 1018, 1195 feet
Coal seam depths: 355, 528 Is coal being mined in the area?

OPEN FLOW DATA Big Lime 2065-2088
Weir Pay zone depth 2208-2232 feet
Gas: Initial open flow - - Mcf/d Oil: Initial open flow - - Bbl/d
4 hr. Final open flow 638 Mcf/d Final open flow - - Bbl/d
Time of open flow between initial and final tests - - hours
Static rock pressure 125 psig (surface measurement) after 48 hours shut in
(If applicable due to multiple completion--) 7 days 205 psig
Second producing formation Pay zone depth feet
Gas: Initial open flow Mcf/d Oil: Initial open flow Bbl/d
Final open flow Mcf/d Oil: Final open flow Bbl/d
Time of open flow between initial and final tests hours
Static rock pressure psig (surface measurement) after hours shut in

07/17/2026

DETAILS OF PERFORATED INTERVALS, FRACTURING OR STIMULATING, PHYSICAL CHANGE, ETC.
MIRU Pool Well Service and Foam air. Pulled 2-3/8" tbg and packer. RIH w/6-1/4" button bit, 4-3/4" drill collars and 2-7/8" drillpipe. Tagged T.D. @ 2110' K.B. R/U foam air. Drilled deeper to 2308' G.L. 4-1/2", 10.50# csg. (2304'), 65 sacks Class A. Perforated Weir @ 2208-2232' (11 holes). R/U Howco. Foam frac Weir. Broke down with N₂ @ 1940#. ISIP 1290#. Pumped 75 quality foam w/5 bbls. H₂O and 8,000 SCF/min. N₂ and 200 bbls. of foam pad, 142 bbls. of 20/40 @ 1#/gal., 464 bbls. @ 2#/gal., 180 bbls. 10/20 @ 2#/gal. ATP 1830#, AIR 20 bbls./min., TF 247 bbls., S/L 197 bbls. Total N₂ 510,000 SCF, ISIP 1480#, 15 min. 1260. Perforated Big Lime from 2065-2088' (10 holes). R/U Howco, pumped 100,000 SCF N₂, 5 bbls. 28% HCL and dropped frac ball. Pumped 19 bbls. 28% HCL and 48 bbls. 15% HCL w/350 SCF N₂ per bbl. Broke down Big Lime @ 1400#. AIR @ 12 BPM, ATP 1990#. Total N₂ 140,000 SCF. ISIP 1170#, 15 min. 390#. 1-1/2" tbg. w/perf. jt. Total 2226.40'. Final Test on 8/29/84. SITP 125 psi. SICP 125 psi. 4 hr. test. 40/10 Hg, 1-1/2" tbg., 638 MCF/D, dry. Big Lime and Weir.

WELL LOG

FORMATION	COLOR	HARD OR SOFT	TOP FEET	BOTTOM FEET	REMARKS Including indication of all fresh and salt water, coal, oil and gas
SEE ATTACHED ORIGINAL WELL RECORD					
DEEPENING:					
Big Lime			2105	2137	
Injun			2137	2152	
Shale			2152	2206	
Weir			2206	2293	
Shale			2293	2308	

(Attach separate sheets as necessary)

Cabot Oil & Gas Corporation of West Virginia
Well Operator

By: Robert E. Howell

Date: October 3, 1984

Note: Regulation 2.02(i) provides as follows:
"The term 'log' or 'well log' shall mean a systematic detailed geological record of all formations, including coal, encountered in the drilling of a well."

07/17/2026



DIVERSIFIED
energy

Date: 6/18/2026

Jason Harmon
Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
(304)926-0450

Mr. Harmon,

Due to our cement provider, LaFarge Holcem, discontinuing the manufacturing of Class A cement, DGOC will be utilizing Class L cement to plug the following well:

API Number 4703900136 Well Name HUNTINGTON ARABELLA # 46

Attached is the approved variance order for use of Class L cement.

Sincerely,

Diversified Energy Permitting Department

07/17/2026



west virginia department of environmental protection

Office of Oil and Gas
601 57th Street, SE
Charleston, WV 25304
Phone (304) 926-0450

Harold D. Ward, Cabinet Secretary
dep.wv.gov

**BEFORE THE OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
STATE OF WEST VIRGINIA**

**IN THE MATTER OF A VARIANCE FROM)
LEGISLATIVE RULE 35CSR4) ORDER NO. 2022-13
SECTION 14.1. AND LEGISLATIVE RULE)
35CSR8 SECTION 20.1,)
RELATING TO THE CEMENTING)
OF OIL AND GAS WELLS)**

REPORT OF THE OFFICE

In response to industry requests, the West Virginia Department of Environmental Protection, Office of Oil and Gas has reviewed the proposed use of American Petroleum Institute (API) Class L cement to be used in place of API Class A cement for well plugging.

FINDINGS OF FACT

1. On July 28, 2022, Diversified Gas & Oil Co. (DGO) submitted a variance request from Legislative Rule 35CSR4 for the use of API Class L cement in place of API Class A cement, relating to the plugging of conventional wells.
2. Laboratory analysis submitted by DGO on July 28, 2022, indicates API Class L cement is comparable to API Class A cement and thereby satisfies the requirements of the West Virginia Code.
3. Contemporaneously, the Chief of the Office of Oil and Gas also chose to consider a variance to Legislative Rule 35CSR8 Section 20.1., for the use of API Class L cement in place of API Class A cement, relating to the plugging of horizontal wells.

Promoting a healthy environment.

07/17/2026

4. On August 18, 2022, the Office of Oil and Gas provided public notice of acceptance of public comments on the variance consideration. During the 20-day public comment period, no comments were received.

CONCLUSIONS OF LAW

Pursuant to Article 6 and Article 6A, Chapter 22 of the Code of West Virginia, the Office of Oil and Gas has jurisdiction over the subject matter, and the persons interested therein, and jurisdiction to promulgate the hereinafter prescribed Order.

Pursuant to Legislative Rule 35CSR4, Section 18 and Legislative Rule 35CSR8, Section 14, the Chief of the Office of Oil and Gas may grant a variance from any requirement of these rules.

ORDER

It is ordered that the Class L cement product approved and monogrammed by API is approved for use in place of API Class A cement for well plugging subject to the provisions of Legislative Rule 35CSR4 and Legislative Rule 35CSR8.

Dated this, the 13th day of September, 2022.

IN THE NAME OF THE STATE OF WEST VIRGINIA

OFFICE OF OIL AND GAS
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OF THE STATE OF WEST VIRGINIA



James Martin, Chief
Office of Oil and Gas

07/17/2026

WW-4A
Revised 6-07

1) Date: 6/18/2026
2) Operator's Well Number HUNTINGTON ARABELLA # 46

3) API Well No.: 47 - 039 - 00136

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION, OFFICE OF OIL AND GAS
NOTICE OF APPLICATION TO PLUG AND ABANDON A WELL

4) Surface Owner(s) to be served: (a) Name <u>The West Virginia Land Trust, Inc. c/o Brent Bailey</u> Address <u>PO Box 11823</u> <u>Charleston, WV 25339</u> (b) Name _____ Address _____ (c) Name _____ Address _____ 6) Inspector <u>Terry Urban</u> Address <u>P.O. Box 1207</u> <u>Clendenin, WV 25045</u> Telephone <u>304-549-5915</u>	5) (a) Coal Operator Name <u>Jack's Branch Coal Company</u> Address <u>PO Box 261</u> <u>Julian, WV 25529</u> (b) Coal Owner(s) with Declaration Name <u>The West Virginia Land Trust, Inc. c/o Brent Bailey</u> Address <u>PO Box 11823</u> <u>Charleston, WV 25339</u> (c) Coal Lessee with Declaration Name <u>Cannelton Coal & Coke Co. (Dissolved 2004)</u> Address _____
--	--

TO THE PERSONS NAMED ABOVE: You should have received this Form and the following documents:

- (1) The application to Plug and Abandon a Well on Form WW-4B, which sets out the parties involved in the work and describes the well its and the plugging work order; and
- (2) The plat (surveyor's map) showing the well location on Form WW-6.

The reason you received these documents is that you have rights regarding the application which are summarized in the instructions on the reverses side. However, you are not required to take any action at all.

Take notice that under Chapter 22-6 of the West Virginia Code, the undersigned well operator proposes to file or has filed this Notice and Application and accompanying documents for a permit to plug and abandon a well with the Chief of the Office of Oil and Gas, West Virginia Department of Environmental Protection, with respect to the well at the location described on the attached Application and depicted on the attached Form WW-6. Copies of this Notice, the Application, and the plat have been mailed by registered or certified mail or delivered by hand to the person(s) named above (or by publication in certain circumstances) on or before the day of mailing or delivery to the Chief.



Well Operator Diversified Production, LLC
By: Nick Bumgardner
Its: Permitting Supervisor
Address 414 Summers Street
Charleston, WV 25301
Telephone 304-590-7707

Subscribed and sworn before me this 18th day of June, 2026
Jeffrey Bush Notary Public

My Commission Expires September 28, 2028

Oil and Gas Privacy Notice

The Office of Oil and Gas processes your personal information, such as name, address and phone number, as a part of our regulatory duties. Your personal information may be disclosed to other State agencies or third parties in the normal course of business or as needed to comply with statutory or regulatory requirements, including Freedom of Information Act requests. Our office will appropriately secure your personal information. If you have any questions about our use of your personal information, please contact DEP's Chief Privacy Officer at depprivacyofficer@wv.gov.

07/17/2026

07/17/2026

Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

US POSTAGE PAID IMI

2026-06-18

25301

C4000004

Retail

5.0 OZ FLAT



0901000010796

USPS CERTIFIED MAIL™



9407 1362 0855 1290 0120 61



THE WEST VIRGINIA LAND TRUST INC
C/O BRENT BAILEY
PO BOX 11823
CHARLESTON WV 25339-1823

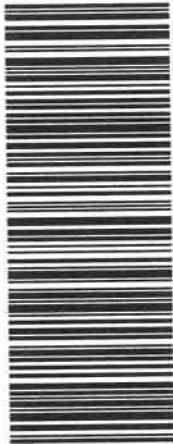
Diversified Gas & Oil Corporation
Permitting Department
414 SUMMERS STREET
2ND. FLOOR
CHARLESTON WV 25301

US POSTAGE PAID IMI
2026-06-18
25301
C4000004
Retail
4.0 OZ FLAT



0901000010796

USPS CERTIFIED MAIL™



9407 1362 0855 1290 0120 92



JACKS BRANCH COAL COMPANY
PO BOX 261
JULIAN WV 25529-0261

07/17/2026

6/18/26, 2:08 PM

SURFACE OWNER WAIVER

Operator's Well
Number

HUNTINGTON ARABELLA # 46

INSTRUCTIONS TO SURFACE OWNERS NAMED ON PAGE WW4-A

The well operator named on page WW-4A is applying for a permit from the State to plug and abandon a well. (Note: If the surface tract is owned by more than three persons, then these materials were served on you because your name appeared on the Sheriff's tax ticket on the land or because you actually occupy the surface tract. In either case, you may be the only owner who will actually receive these materials.) See Chapter 22 of the West Virginia Code. Well work permits are valid for 24 months. If you do not own any interest in the surface tract, please forward these materials to the true owner immediately if you know who it is. Also, please notify the well operator and the Office of Oil and Gas.

NOTE: YOU ARE NOT REQUIRED TO FILE ANY COMMENT. WHERE TO FILE COMMENTS AND OBTAIN ADDITIONAL INFORMATION:

Chief, Office of Oil and Gas
Department of Environmental Protection
601 57th St. SE
Charleston, WV 25304
(304) 926-0450

Time Limits and methods for filing comments. The law requires these materials to be served on or before the date the operator files his Application. You have **FIVE (5) DAYS** after the filing date to file your comments. Comments must be filed in person or received in the mail by the Chief's office by the time stated above. You may call the Chief's office to be sure of the date. Check with your postmaster to ensure adequate delivery time or to arrange special expedited handling. If you have been contacted by the well operator and you have signed a "voluntary statement of no objection" to the planned work described in these materials, then the permit may be issued at any time.

Comments must be in writing. Your comments must include your name, address and telephone number, the well operator's name and well number and the approximate location of the proposed well site including district and county from the application. You may add other documents, such as sketches, maps or photographs to support your comments.

The Chief has the power to deny or condition a well work permit based on comments on the following grounds:

- 1) The proposed well work will constitute a hazard to the safety of persons.
- 2) The soil erosion and sediment control plan is not adequate or effective;
- 3) Damage would occur to publicly owned lands or resources;
- 4) The proposed well work fails to protect fresh water sources or supplies;
- 5) The applicant has committed a substantial violation of a previous permit or a substantial violation of one or more of the rules promulgated under Chapter 22, and has failed to abate or seek review of the violation..."

If you want a copy of the permit as it is issued or a copy of the order denying the permit, you should request a copy from the Chief.

VOLUNTARY STATEMENT OF NO OBJECTION

I hereby state that I have read the instructions to surface owners and that I have received copies of a Notice and Application For A Permit To Plug And Abandon on Forms WW-4A and WW-4B, and a survey plat.

I further state that I have no objection to the planned work described in these materials, and I have no objection to a permit being issued on those materials.

FOR EXECUTION BY A NATURAL PERSON
ETC.

FOR EXECUTION BY A CORPORATION,

_____	Date _____	Name _____
Signature		By _____
		Its _____
		Date _____

Signature

Date

07/17/2026

WW-4B

API No. 4703900136
Farm Name Arabella D. Huntington
Well No. HUNTINGTON ARABELLA # 46

INSTRUCTIONS TO COAL OPERATORS OWNERS AND LESSEE

The well operator named on the obverse side of WW-4 (B) is about to abandon the well described in the enclosed materials and will commence the work of plugging and abandoning said well on the date the inspector is notified. Which date shall not be less than five days after the day on which this notice and application so mailed is received, or in due course should be received by the Department of Environmental Protection Office of Oil & Gas.

This notice and application is given to you in order that your respective representatives may be present at the plugging and filling of said well. You are further notified that whether you are represented or not the operator will proceed to plug and fill said well in the manner required by Section 24, Article 6, Chapter 22 of the Code and given in detail on obverse side of this application.

NOTE: If you wish this well to be plugged according to 22-6-24(d) then as per Regulation 35CSR4-13.9 you must complete and return to this office on form OB-16 "Request by Coal Operator, Owner, or Lessee for plugging" prior to the issuance of this plugging permit.

WAIVER

The undersigned coal operator ☐ / owner ☐ / lessee ☐ / of the coal under this well location has examined this proposed plugging work order. The undersigned has no objection to the work proposed to be done at this location, provided, the well operator has complied with all applicable requirements of the West Virginia Code and the governing regulations.

Date: _____

By: _____
Its _____

07/17/2026

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS
FLUIDS/ CUTTINGS DISPOSAL & RECLAMATION PLAN

Operator Name: Diversified Production, LLC OP Code 494524121

Watershed (HUC 10) Hughes Creek Quadrangle Montgomery 7.5'

Do you anticipate using more than 5,000 bbls of water to complete the proposed well work? Yes ☐ No ☒

Will a pit be used? Yes ☒ No ☐

If so, please describe anticipated pit waste: Production fluids and cement returns

Will a synthetic liner be used in the pit? Yes ☒ No ☐ If so, what ml.? 20 Proposed

Disposal Method For Treated Pit Wastes:

- ☐ Land Application (if selected provide a completed form WW-9-GPP)
- * ☐ Underground Injection (UIC Permit Number 2D03902327 002)
- ☐ Reuse (at API Number)
- ☐ Off Site Disposal (Supply form WW-9 for disposal location)
- * ☐ Other (Explain Any fluids not used on site will be recycled at an approved facility and noted in the WR-34 Submission

Will closed loop system be used? If so, describe: N/A

Drilling medium anticipated for this well (vertical and horizontal)? Air, freshwater, oil based, etc. N/A

-If oil based, what type? Synthetic, petroleum, etc. N/A

Additives to be used in drilling medium? N/A

Drill cuttings disposal method? Leave in pit, landfill, removed offsite, etc. N/A

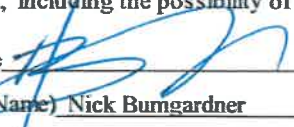
-If left in pit and plan to solidify what medium will be used? (cement, lime, sawdust) N/A

-Landfill or offsite name/permit number? N/A

Permittee shall provide written notice to the Office of Oil and Gas of any load of drill cuttings or associated waste rejected at any West Virginia solid waste facility. The notice shall be provided within 24 hours of rejection and the permittee shall also disclose where it was properly disposed.

I certify that I understand and agree to the terms and conditions of the GENERAL WATER POLLUTION PERMIT issued on April 1, 2016, by the Office of Oil and Gas of the West Virginia Department of Environmental Protection. I understand that the provisions of the permit are enforceable by law. Violations of any term or condition of the general permit and/or other applicable law or regulation can lead to enforcement action.

I certify under penalty of law that I have personally examined and am familiar with the information submitted on this application form and all attachments thereto and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine or imprisonment.

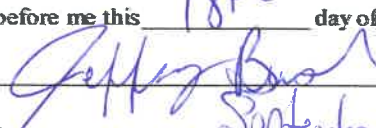
Company Official Signature 

Company Official (Typed Name) Nick Bumgardner

Company Official Title Permitting Supervisor



Subscribed and sworn before me this 18th day of June, 2020

 Notary Public

My commission expires September 28, 2028

07/17/2026

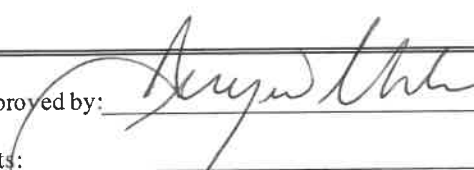
Proposed Revegetation Treatment: Acres Disturbed +/- 1 ac. Prevegetation pH N/ALime 3 Tons/acre or to correct to pH 6.5Fertilizer type 10-20-20 or EquivalentFertilizer amount 500 lbs/acreMulch 2 Tons/acreSeed Mixtures**Temporary****Permanent**

Seed Type	lbs/acre	Seed Type	lbs/acre
Red Fescue	<u>40</u>	Red Fescue	<u>15</u>
Alsike	<u>5</u>	Alsike Clover	<u>5</u>
Annual Rye	<u>15</u>		

Attach:

Maps(s) of road, location, pit and proposed area for land application (unless engineered plans including this info have been provided). If water from the pit will be land applied, provide water volume, include dimensions (L, W, D) of the pit, and dimensions (L, W), and area in acres, of the land application area.

Photocopied section of involved 7.5' topographic sheet.

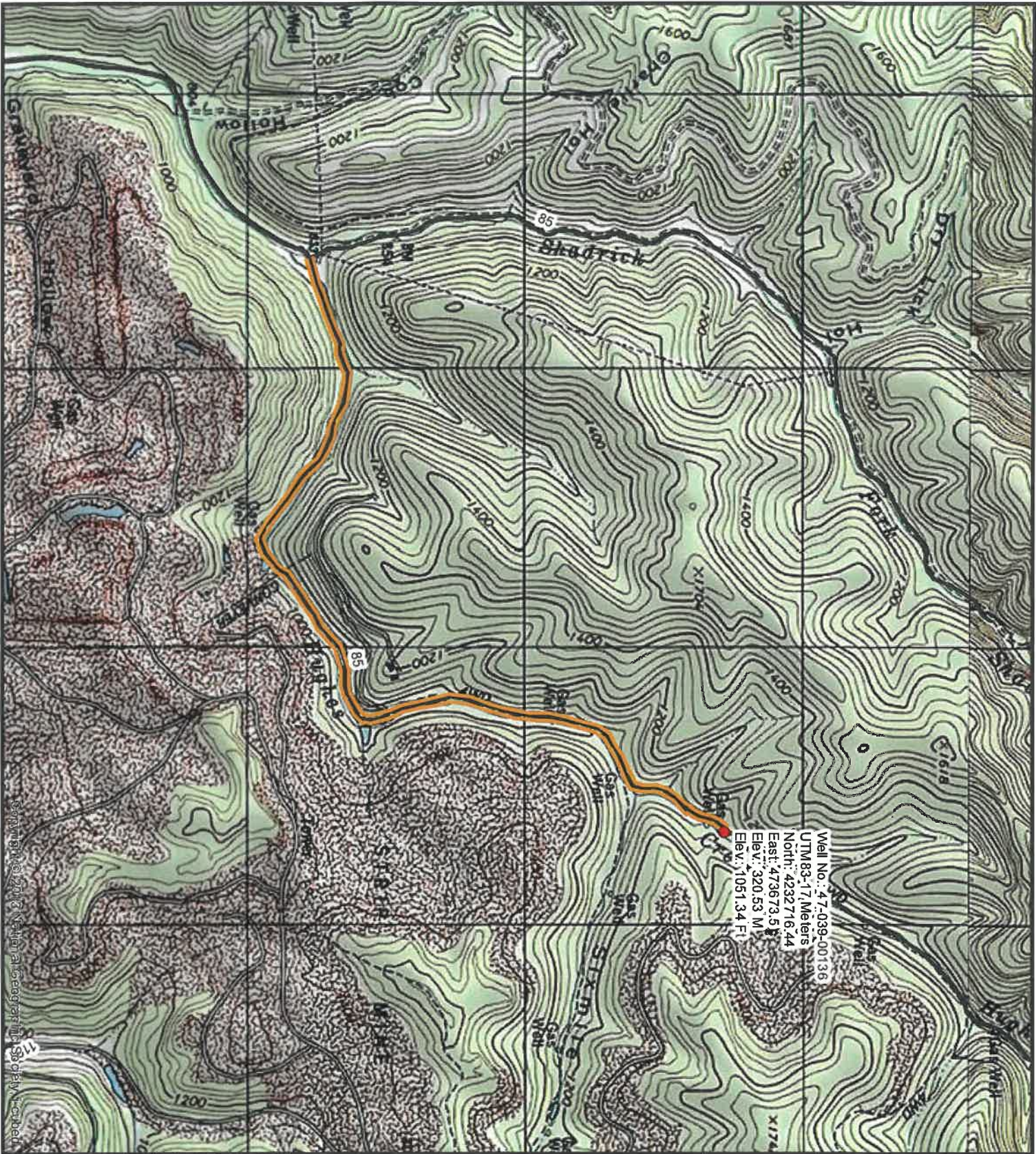
Plan Approved by: 

Comments: _____

Title: Inspect Duke GASDate: 6-25-26

Field Reviewed?

☒ Yes☐ No



Well No.: 47-039-00136
UTM83-17 Meters
North: 4232716.44
East: 473673.53
Elev.: 320.55 M
Elev.: 1051.34 Ft



Diversified Gas & Oil
Corporation
100 Diversified Way
Pikeville KY, 41051

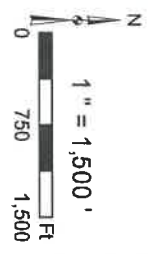
07/17/2026

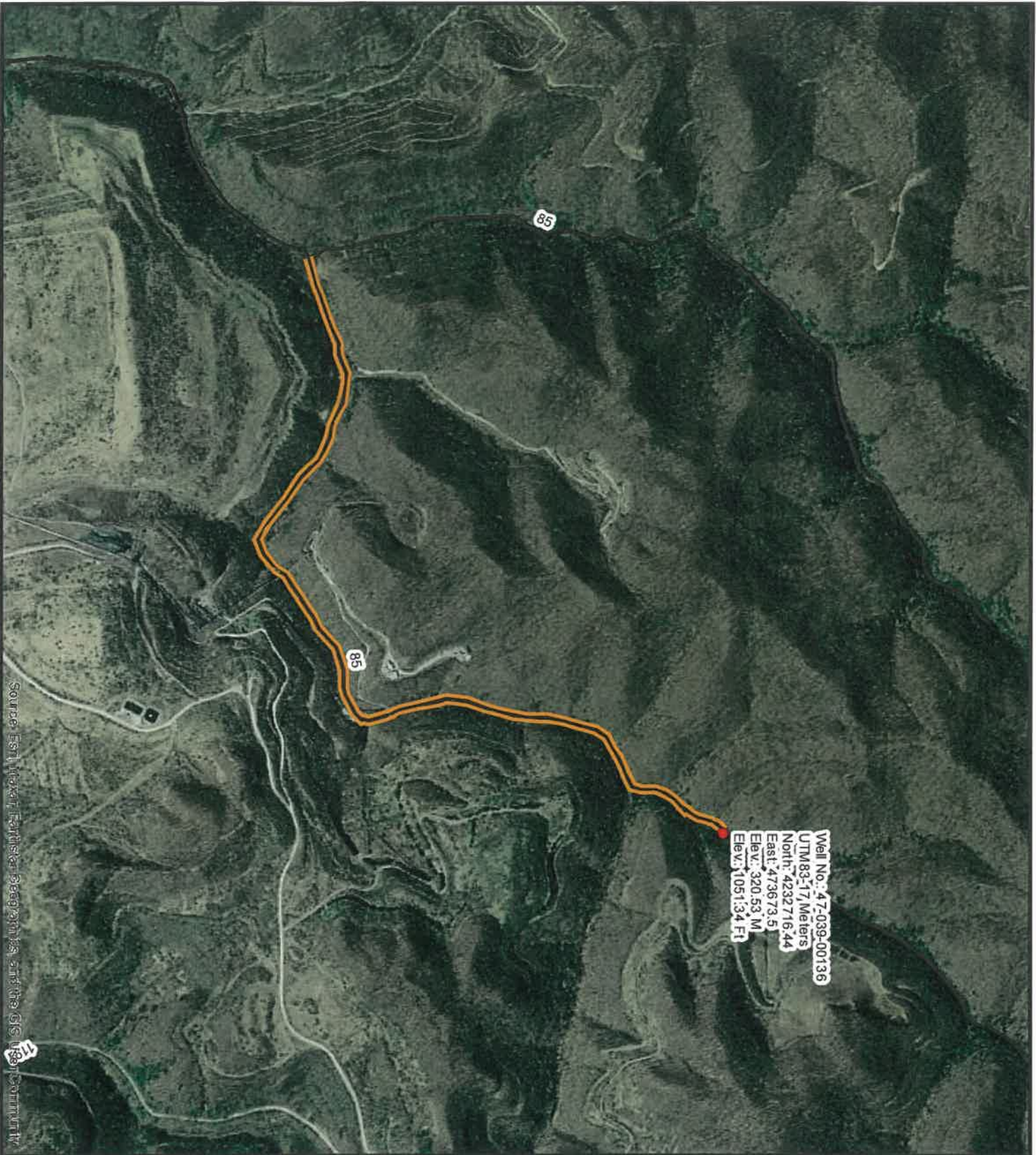
47-039-00136

Well Plugging Map

Legend

- Well
- Access Road
- Pits
- Pad
- Public Roads





Diversified Gas & Oil
Corporation
100 Diversified Way
Pineville KY, 42051

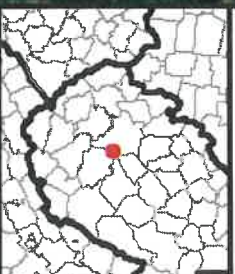
07/17/2026

47-039-00136

Well Plugging Map

Legend

- Well
- Access Road
- Pits
- Pad
- Public Roads



Source: Esri, DigitalGlobe, GeoEye, IGN, GeoEye, and the GIS User Community

WW-7
8-30-06



West Virginia Department of Environmental Protection
Office of Oil and Gas
WELL LOCATION FORM: GPS

API: 4703900136 WELL NO.: HUNTINGTON ARABELLA # 46
FARM NAME: Arabella D. Huntington
RESPONSIBLE PARTY NAME: Diversified Production, LLC
COUNTY: Kanawha DISTRICT: Cabin Creek
QUADRANGLE: Montgomery 7.5'
SURFACE OWNER: The West Virginia Land Trust, Inc. c/o Brent Bailey
ROYALTY OWNER: _____
UTM GPS NORTHING: 4232716.44
UTM GPS EASTING: 473673.5 GPS ELEVATION: 1051.34'

The Responsible Party named above has chosen to submit GPS coordinates in lieu of preparing a new well location plat for a plugging permit or assigned API number on the above well. The Office of Oil and Gas will not accept GPS coordinates that do not meet the following requirements:

1. Datum: NAD 1983, Zone: 17 North, Coordinate Units: meters, Altitude: height above mean sea level (MSL) – meters.
2. Accuracy to Datum – 3.05 meters
3. Data Collection Method:

Survey grade GPS ____ : Post Processed Differential ____
Real-Time Differential ____

Mapping Grade GPS X : Post Processed Differential X
Real-Time Differential ____

4. Letter size copy of the topography map showing the well location.

I the undersigned, hereby certify this data is correct to the best of my knowledge and belief and shows all the information required by law and the regulations issued and prescribed by the Office of Oil and Gas.

A blue ink signature of Nick Bungardner.

Nick Bungardner - Permitting Supervisor

Title

6-18-2026
Date

07/17/2026



June 18, 2026

Terry Urban
PO Box 1208
Clendenin, WV 25046

Mr. Urban,
Please find enclosed a Permit Application to plug API# 47-039-00136, in Kanawha County, WV.

If you have any questions, comments, or if you require additional information, please feel free to contact me at 304-590-7707.

Thank You,

Chris Veazey
Permitting Supervisor

Diversified Energy Company
414 Summers St.
Charleston, WV 25301
(304) 590-7707
Email: cveazey@dgoc.com

11/10/2016

PLUGGING PERMIT CHECKLIST
4703900136

Plugging Permit

- ☐ WW-4B
- ☐ WW-4B signed by inspector
- ☐ WW-4A
- ☐ SURFACE OWNER WAIVER or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- ☐ COAL OWNER/COAL OPERATOR/COAL LESSEE WAIVERS or PROOF THAT APPLICATION WAS SENT BY REGISTERED OR CERTIFIED MAIL
- ☐ WW-9 PAGE 1 (NOTARIZED)
- ☐ WW-9 PAGE 2 with attached drawing of road, location, pit and proposed area for land application
- ☐ WW-9 GPP PAGE 1 and 2 if well effluent will be land applied
- ☐ RECENT MYLAR PLAT OR WW-7
- ☐ WELL RECORDS/COMPLETION REPORT
- ☐ TOPOGRAPHIC MAP OF WELL, SHOWING PIT IF PIT IS USED
- ☐ MUST HAVE VALID BOND IN OPERATOR'S NAME
- ☐ CHECK FOR \$100 IF PIT IS USED

07/17/2026

1) Date _____, 20_____
2) Operator's
Well No. HUNTINGTON ARABELLA # 46
3) API Well No. 47- 039 - 00136

STATE OF WEST VIRGINIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
OFFICE OF OIL AND GAS

APPLICATION FOR A PERMIT TO PLUG AND ABANDON

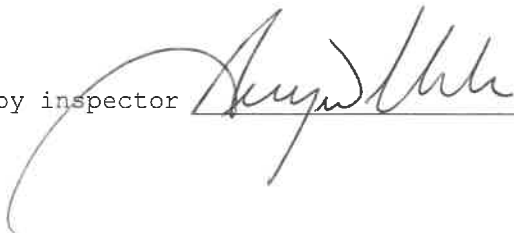
- 4) Well Type: Oil ☐ / Gas ☒ / Liquid injection ☐ / Waste disposal ☐ /
(If "Gas, Production ☒ or Underground storage ☐) Deep ☐ / Shallow ☒
- 5) Location: Elevation 1051.34' Watershed Hughes Creek
District Cabin Creek County Kanawha Quadrangle Montgomery 7.5'
- 6) Well Operator Diversified Production, LLC 7) Designated Agent Chris Veazey
Address 414 Summers Street Address 414 Summers Street
Charleston, WV 25301 Charleston, WV 25301
- 8) Oil and Gas Inspector to be notified 9) Plugging Contractor
Name Terry Urban Name Next LVL Energy (Diversified Owned)
Address P.O. Box 1207 Address 104 Helliport Loop Rd
Clendenin, WV 25045 Bridgeport, WV 25330

10) Work Order: The work order for the manner of plugging this well is as follows:

See Attached

Notification must be given to the district oil and gas inspector 24 hours before permitted work can commence.

Work order approved by inspector



Date

6-25-26

07/17/2026



Kennedy, James P <james.p.kennedy@wv.gov>

plugging permits issued for 4703900136 and 03429

1 message

Kennedy, James P <james.p.kennedy@wv.gov>

Thu, Jul 16, 2026 at 8:22 AM

To: Nicholas Bumgardner <nbumgardner@dgoc.com>, Terry W Urban <terry.w.urban@wv.gov>, sallierobinson@kanawha.us

To whom it may concern, plugging permits have been issued for 4703900136 and 03429.

--

James Kennedy

Environmental Resource Specialist III / Permitting

WVDEP Office of Oil and Gas

601 57th Street, SE

Charleston, WV 25304

304-926-0499 ext. 45025

james.p.kennedy@wv.gov

2 attachments**4703903429.pdf**
2250K**4703900136.pdf**
2235K**07/17/2026**